



ecology and environment, inc.

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MEMORANDUM

DATE: July 15, 2008

TO: Renee Nordeen, START-3 Project Manager, E & E, Seattle, WA

FROM: Mark Woodke, START-3 Chemist, E & E, Seattle, Washington *MW*

SUBJ: **Inorganic Data Summary Check,
Bremerton Gasworks Properties, Bremerton, Washington**

REF: TDD: 07-01-0008 PAN: 002233.0178.01BR

The data summary check of 5 sediment samples collected from the Bremerton Gasworks Properties site located in Bremerton, Washington, has been completed. Analysis for total arsenic (EPA CLP SOW ILM05.4) was performed by Bonner Analytical, Hattiesburg, Mississippi.

The samples were numbered:

MJ8J74

MJ8J75

MJ8J76

MJ8J77

MJ8J78

A cursory assessment of the data was provided with no qualifiers added.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
1200 Sixth Avenue, Suite 900
Seattle, Washington 98101

July 11, 2008

Reply To
Attn. Of: OEA-095

MEMORANDUM

SUBJECT: Data Transmittal for Bremerton Gasworks TBA,
Case# 37435, SDG: MJ8J75, Inorganic Analysis

FROM: Donald Matheny, Chemist *DM*
Environmental Services Unit, OEA

TO: Joanne LaBaw, Project Manager
Office of Environmental Cleanup (ECL-115)

CC: Renee Nordeen, Ecology & Environment

The following data are being transmitted for the above project. Five (5) sediment samples were analyzed for total arsenic by Bonner Analytical, Hattiesburg, MS. Sample numbers for this delivery group are:

MJ8J74 MJ8J75 MJ8J76 MJ8J77 MJ8J78

A cursory assessment of the data indicates the following:

All QC for this sample set were in compliance. The "*" qualifier applied by the lab indicates that the sample duplicate result of 25% did not meet the 20% RPD criteria applied to water samples but it was well within the Region 10 applied 35% RPD criteria for solids. This qualifier should be ignored.

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USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MJ8J74

Lab Name: Bonner Analytical TestingContract: EPW06055Lab Code: BONNER Case No.: 37435NRAS No.: 1559.0SDG No.: MJ8J75Matrix: (Soil/Water) SOILLab Sample ID: 0806024-01Level: (low/med) LOWDate Received: 06/06/2008% Solids 73.3

Concentration Units (ug/L or mg/kg dry weight):

mg/Kg

CAS NO.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.3		<i>Mu</i>	P

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOW

Clarity After: _____

Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MJ8J75

Lab Name: Bonner Analytical TestingContract: EPW06055Lab Code: BONNER Case No.: 37435NRAS No.: 1559.0SDG No.: MJ8J75Matrix: (Soil/Water) SOILLab Sample ID: 0806024-02Level: (low/med) LOWDate Received: 06/06/2008% Solids 79.5

Concentration Units (ug/L or mg/kg dry weight):

mg/Kg

CAS NO.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.3		Q	P

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOW

Clarity After: _____

Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MJ8J76

Lab Name: Bonner Analytical TestingContract: EPW06055Lab Code: BONNER Case No.: 37435NRAS No.: 1559.0SDG No.: MJ8J75Matrix: (Soil/Water) SOILLab Sample ID: 0806024-03Level: (low/med) LOWDate Received: 06/06/2008% Solids 72.2

Concentration Units (ug/L or mg/kg dry weight):

mg/Kg

CAS NO.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	5.1		<i>[Signature]</i>	P

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOW

Clarity After: _____

Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MJ8J77

Lab Name: Bonner Analytical Testing Contract: EPW06055
 Lab Code: BONNER Case No.: 37435 NRAS No.: 1559.0 SDG No.: MJ8J75
 Matrix: (Soil/Water) SOIL Lab Sample ID: 0806024-04
 Level: (low/med) LOW Date Received: 06/06/2008
 % Solids 81.6

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS NO.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.6		<i>[Signature]</i>	P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM
 Color After: YELLOW Clarity After: _____ Artifacts: _____
 Comments: _____

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MJ8J78

Lab Name: Bonner Analytical TestingContract: EPW06055Lab Code: BONNER Case No.: 37435NRAS No.: 1559.0SDG No.: MJ8J75Matrix: (Soil/Water) SOILLab Sample ID: 0806024-05Level: (low/med) LOWDate Received: 06/06/2008% Solids 83.6Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS NO.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	1.5		<i>mu</i>	P

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOW

Clarity After: _____

Artifacts: _____

Comments:

